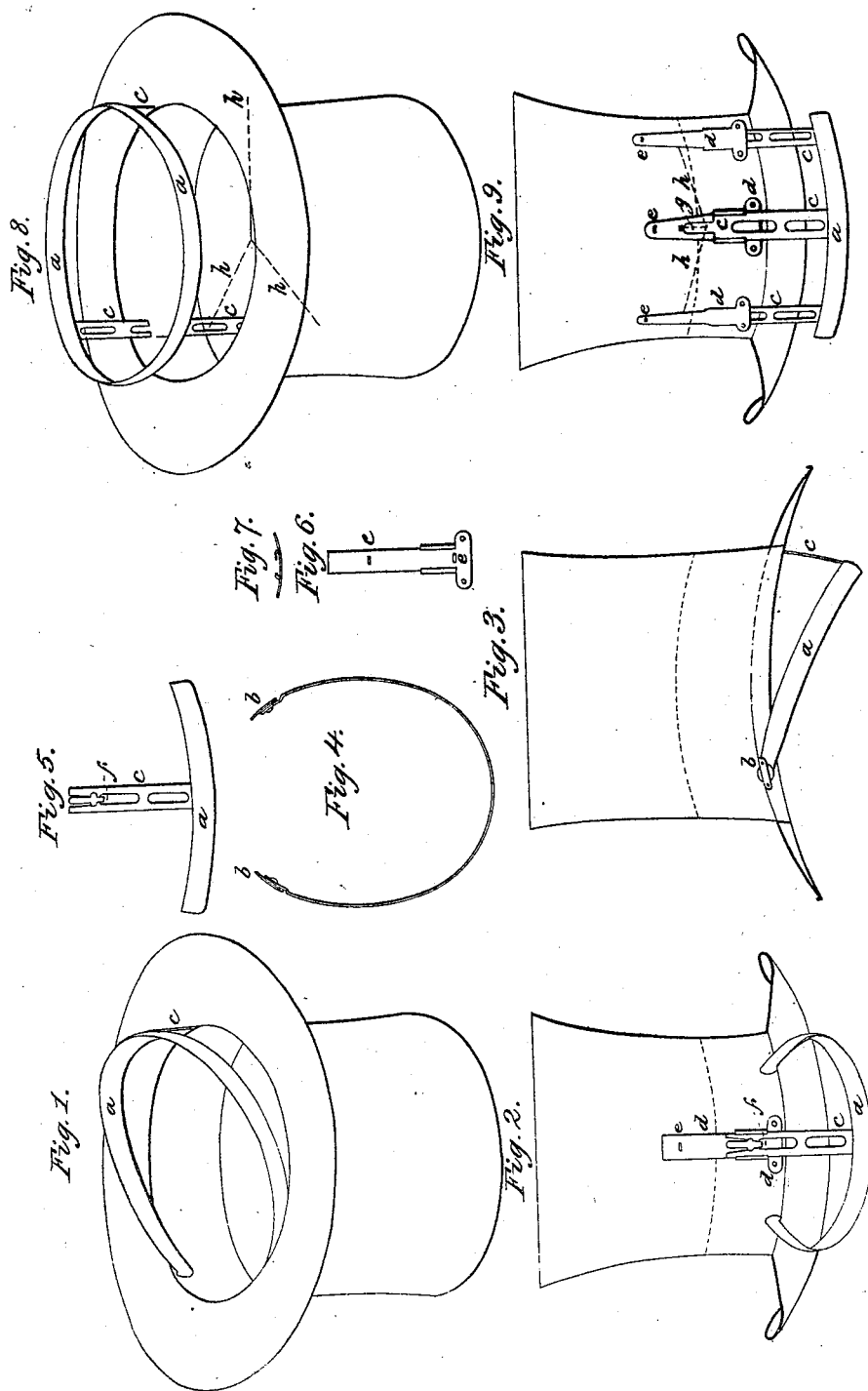


R. Halloran.
Ventilating Hats.

Nº 4427

Patented Mar. 21, 1846.



UNITED STATES PATENT OFFICE.

RICHARD HALLORAN, OF NEW YORK, N. Y.

VENTILATING-HAT.

Specification of Letters Patent No. 4,427, dated March 21, 1846.

To all whom it may concern:

Be it known that I, RICHARD HALLORAN, of the city, county, and State of New York, have invented a new and Improved Ventilating-Hat for the Purpose of Admitting a Supply of Fresh Air to the Head of the Wearer as Health or Comfort may Dictate; and I do hereby declare that the following is a full and exact description.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation, reference being had to the annexed drawings, making a part of this specification, and accompanying model for the better understanding of the same, in which—

Figure 1, is a perspective view of the hat with segmental hoop, or band in the position when admitting air to the head of the wearer. Fig. 2, is a transversal section, and Fig. 3 a longitudinal section of the hat, all the parts being in the same position.

The segmental hoop or band *a, a*, is made of thin sheet steel, or other suitable material, at the ends formed into joints with thin plates of tinplate, or other material, by means of rivets, and fastened to the hat as shown at *b, b*, Figs. 3 and 4, so that by means of the center rivet; the hoop or band may be allowed to move to the extent of two and a half inches, more or less as required; when at the full extent of its motion, or at any intermediate distance required; it is firmly secured in its position by a slide *c, c*, at Figs. 2, 3, and 5; this slide is guided by passing through grooves in a plate of thin tinplate, shown in elevation at Fig. 6, and in plan at Fig. 7, and also at *d, d*, Fig. 2, this plate is riveted or otherwise secured to the hat; in this plate are two or more holes *e, e*, Figs. 2, and 6, which receive the bent point of the lever *f, f* same figures, which securely holds the slide in its place.

The slide I make of thin sheet steel and spring tempered, it is parallel in its breadth as shown in the figures, for the purpose of admitting of an easy motion, and is cut out as seen for the purpose of making it lighter; a hole is punched out to receive an oblong rivet which secures the small steel lever *f, f*, and at the same time it admits of sufficient motion, the point of which strikes into the holes in the tinplate riveted to the hat, and retains the segmental hoop or band in the desired position; the lever *f, f*, is acted upon by a small spring seen in the model, and

which is either formed out of the slide, or riveted to it.

Figs. 1, 2, and 3 show the hat with my improvement in the position it is placed when the wearer is receiving the full benefit; the hat is placed on the head, and instead of the back part of the hat touching the head, the band *a, a*, Figs. 1, 2, and 3 is brought to the same position on the head that the hat is usually worn, consequently the back part of the hat is now completely detached, or lifted above the head, and consequently freely admits the fresh air to the head: to move the band into the body of the hat so as to appear as a hat without the improvement, the wearer has only to press on the end of the small lever opposite to the point *f, f*, and a gentle pressure of the hand on the edge of the band *a, a*, when it will move in flush with the brim, and will not appear different from a hat without it: when it is wished to be brought out, the lever *f, f*, is pressed in the same manner as before, and the band or hoop is gently withdrawn, when it will move out to the proper distance, where it will be fastened by the bent lever as before, catching into the plate hole *e, e*, operated by the action of the spring: the same mode of the lever and spring acting, secures the band when flush with the brim.

Figs. 8, and 9, show a method by which the hat may be wholly detached, or lifted above the head of the wearer, when the band or hoop may be carried parallel to the brim of the hat as shown, or with a little trouble may be brought to the same position as Figs. 1, 2, and 3; the slide in this case is parallel for the greater part of its length to admit of an easy motion as before, and is likewise spring tempered; about one inch in length of the slide is reduced in breadth, and near its extreme end it has a stud *g*, projecting from it, which strikes into the holes of the guide plates in the same manner as the bent point of the lever *f*, and consequently secures the band at the required position as before; the extreme end of the slide is formed into an eye, to which a line *h*, is attached for the purpose of withdrawing the studs from the holes in the guide plates by pulling the line, and three slides being used in this case, as shown by the drawing, the three lines *h, h, h*, being connected, the three studs are operated on at once: the guide plates are similar to those already de-

scribed, and fastened to the hat in the same manner: in both cases the slides are riveted to the band as shown by the drawings, and as executed in the model.

5 What I claim as my invention, and desire to secure by Letters Patent is—

The forming of a ventilating hat, or other analogous covering for the head, by the

means of hoops or bands, combined and operating substantially in the manner set forth.

RICHARD HALLORAN.

Witnesses:

DUNCAN TUNNEN,
LOUIS HALLORAN.